Approved for use through 10/31/2002. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.		TI-36945			
	Inventor	Muhammad Zubair Ikram			
Title	A Hybrid IMMSE- Apparatus For A	E-LMMSE Receiver Processing Technique And A MIMO WLAN			
Expre	ess Mail Label No.	ER640661564US			

	See MF	APPLICATIO				4 <i>DDF</i>	RES	S TO:	Box	sistant Comm Referent Appleshington, DC		s
1.	Х	Fee Transmittal Form (e.		essina)		7.			d or CD-R in	n duplicate, la		S. PT0 000
2		-	cant claims small entity status.				Computer Program (Appendix) Nucleotide and/or Amino Acid Sequence Submissior (if applicable, all necessary)				ce Submission	U.S. 650(
3.	Specification [Total Pages 14] - Descriptive title of the Invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed)				14		a. b.	Specifica i.	ition Sequer		• •	16834
							c. Statements verifying identity of above cop					
	- Detailed Description - Detailed Description - Claim(s)				ACCOMPANYING APPLICATION PARTS						3	
		- Abstract of the Disclosu	ire			9.	X	Assignn	nent Paper	s (cover she	eet & documents(s))
4.	X	Drawing(s) (35 U.S.C. 11	3) [Total Sheets	1 1	10.			3.73(b) Stat ere is an as		X Power of Attorney	
5.	Oath or	Declaration	[Total Pages	1]	11.		English	Translatio	n Document	(if applicable)	
	а.	X Newly Executed (original or copy)			12.			ion Disclosunt (IDS)/PT		Copies of I	DS
	b.	Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)				13.						
		i. DELETION OF INVENTOR(S)				14.	14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)					
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR					15.	15. Certified Copy of Priority Document(s) (if foreign priority is claimed)						
1.63(d)(2) and 1.33(b).					16.	16. Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.						
6. [6. Application Data Sheet. See 37 CFR 1.76					17.						
		NTINUING APPLICAT			, and supply	the re	quisite	e informa	ition below	and in a pi	reliminary amendi	nent,
	_Continu	ation Division	al 🔲	Continuation-in-	part (CIP)			-		No:		
Prior application information: Examiner Group / Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a												
portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS												
Customer Number or Bar Code Label (Insert(Gustomer/No, or/Attachbar/code) label/here) Correspondence address below												
NAM	ΛE	Texas Instru	uments Incor					7	······································			
ADI	RESS											
CITY					TX	F000			ZI	P CODE	(070) 01-111	
	JNTRY				(972) 917	-5633					(972) 917-4418	
Nan	e (Print	/Type)	Dwight N. H	lolmbo			Reg	gistration	No. (Attor	ney/Agent)	Reg. No. 36	410
Sign	ature		2) wigh	x 1.	Holmbo	_				Date	1/26/04	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office. Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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PTO/SB/17 (11/01)
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FEE TRANSMITTAL for FY 2004

Patent fees are subject to annual revision

Complete If Known							
Application Number	TBD						
Filing Date	January 26, 2004						
First Named Inventor	Muhammad Zubair Ikram						
Examiner Name	TBD						
Group Art Unit	TBD						
Attornoy Docket No.	TI 20046						

TOTAL AMOUNT OF PAYMENT (\$) 810.00				Attorney Docket No. TI-36945				
METHOD C	FEE CALCULATION (continued)							
The Commissioner is hereby authorized to charge to the following				ADDIT	IONAL	. FEES		
Deposit Account, Deposit Account Number 20-0668			Large Fee Code	Fee (\$)	Fee Code	Entity Fee (\$)	Fee Description Fee Paid	
Deposit Account Name Texas Instruments Incorporate			1051 1052		2051 2052	65 25	Surcharge - late filing fee Surcharge - late provisional filing fee or cover sheet.	
Charge any additional fee required or credit any overpayment Charge all indicated fees and any additional fee required or credit any overpayment					1053	130	Non-English specification	اً
. 🗆			1812	2,520	1812	2,520	For filling a request for reexamination]
2. Paymo	ent Enclosed	l:	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
Check Money Other Order				1,840*	1805	1,840*	Requesting publication of SIR after · Examiner action	
	FEE CALC	ULATION	1251	110	2251	55	Extension for reply within first month	l
1. BASIC FILI	NG FEE		1252	420	2252	210	Extension of time within second month]
	mall Entity	F. B	1253		2253	475	Extension of time within third month	j
	ee Fee ode (\$)	Fee Description Fee Paid	1254	1,480	2254	740	Extension of time within fourth month	4
1001 770 20	001 385	Utility filing fee \$770	1255 1401	2,010 330	2255 2401	1,005 165	Extension of time within fifth month Notice of Appeal	1
1002 340 20	002 170	Design filing fee \$	1402		2402	165	Filing a brief in support of an appeal	1
1003 530 20	003 265	Plant filing fee \$	1403	290	2403	145	Request for oral hearing	1
1004 770 20	004 385	Reissue filing fee \$	1451	1,510	1451	1,510	Petition to institute a pubic use proceeding	1
1005 160 20	005 80	Provisional filing fee \$	1452	110	2452	55	Petition to revive - unavoidable	1
	1453 1501	1,330 1,330	2453 2501	665 665	Petition to revive - unintentional Utility issue fee (or reissue)	į		
2. EXTRA CLA	AIM FEES FO	R UTILITY AND REISSUE	1502	480	2502	240	Design issue fee	j
	1503 1460	640 130	2503 1460	320 130	Plant issue fee	-		
	Extra C	Fee from laims below Fee Paid	1807	50		50	Petitions to the Commissioner	-
Total Claims 11	-20**= 0	× 18 = 0	1806	180	1807 1806	180	Processing fee for provisional applications Submission of Information Disclosure Stmt.	•
Independent 2	-3** = 0	× 86 = 0	8021	40]]
Claims	L		0021	40	8021	40	Recording each patent assignment per property (time number of properties) \$40]
Multiple Dependent 290 = 0				770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
**or number previously paid, if greater; For Reissue, see below				770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
Fee Fee F Code (\$) Co	mall Entity fee Fee ode (\$) 202 9	Fee Description Claims in excess of 20	Other fee (specify)]
	201 43	Independent Claims in excess of 3	pendent Claims in excess of 3					
	203 140	Multiple dependent claims in excess of 3	f3					
1204 86 22	204 43	**Reissue Independent claims over original patent	Oth	er fee (s	pecify)			
1205 18 22	205 9	**Reissue claims in excess of 20 and over original patent	Other fee (specify)					
	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) \$40							
SUBMITTED BY							Complete (if applicable)	7
Typed or Printed Name Dwight N. Holmbo							Reg. Number 36,410	
Signature Duright n. Hohnly					Date		Deposit Account User ID N/A	\int